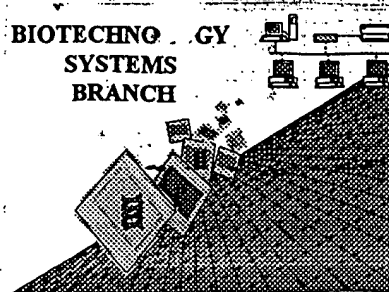


0282

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/735,363

Source: OIPE

Date Processed by STIC: 12/27/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/735,363

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES) Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES) Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 ☐ Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of <213>Organism (NEW RULES) Sequence(s) ☐ are missing this mandatory field or its response.
- 12 ☐ Use of <220>Feature (NEW RULES) Sequence(s) ☐ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/735,363

DATE: 12/27/2000
 TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF3\12272000\I735363.raw

pp. 1-5

3 <110> APPLICANT: Filion, Mario
 4 Phillip, Nigel
 6 <120> TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
 8 <130> FILE REFERENCE: 02811-0181
 10 <140> CURRENT APPLICATION NUMBER: US/09/735,363
 10 <141> CURRENT FILING DATE: 2000-12-12
 10 <150> PRIOR APPLICATION NUMBER: 60/170,325
 11 <151> PRIOR FILING DATE: 1999-12-13
 13 <150> PRIOR APPLICATION NUMBER: 60/228,925
 14 <151> PRIOR FILING DATE: 2000-08-29
 16 <160> NUMBER OF SEQ ID NOS: 87
 18 <170> SOFTWARE: PatentIn version 3.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 27
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Synthetic Oligonucleotide
 25 <400> SEQUENCE: 1
 26 gtgtgtgtgtgt gtgtgtgtgtgt gtgtgtgt
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 27
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Synthetic Oligonucleotide
 34 <400> SEQUENCE: 2
 35 ggggtgggtgg gtgggtgggt ggggtggg
 38 <210> SEQ ID NO: 3
 39 <211> LENGTH: 27
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Synthetic Oligonucleotide
 43 <400> SEQUENCE: 3
 44 ggggggtgggt gtgggggtgg ggggtggg
 47 <210> SEQ ID NO: 4
 48 <211> LENGTH: 27
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Synthetic Oligonucleotide
 52 <400> SEQUENCE: 4
 53 ggggggtgggt ggggggtgggt ggggtggg
 56 <210> SEQ ID NO: 5
 57 <211> LENGTH: 27
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Synthetic Oligonucleotide
 61 <400> SEQUENCE: 5
 62 tgtgtgtgtgt tgtgtgtgtgt tgtgtgt
 65 <210> SEQ ID NO: 6
 66 <211> LENGTH: 27
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Synthetic Oligonucleotide
 70 <400> SEQUENCE: 6

Does Not Comply
 Corrected Diskette Needed

(global error)

per new sequence rules, the only valid responses
 are: Unknown, Artificial Sequence,

or scientific name
 (Genus/species)

give source of
 genetic material

(see circled
 portion of
 item 12 on
 Error Summary
 sheet)

DATE: 12/27/2000

PATENT APPLICATION: US/09/735,363

TIME: 10:16:34

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\12272000\I735363.raw

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71 tctctctctc tctctctc tctctct
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 3
76 <212> TYPE: DNA
77 <213> ORGANISM: Synthetic Oligonucleotide
79 <400> SEQUENCE: 7
80 tgt
83 <210> SEQ ID NO: 8
84 <211> LENGTH: 3
85 <212> TYPE: DNA
86 <213> ORGANISM: Synthetic Oligonucleotide
88 <400> SEQUENCE: 8
89 gtg
92 <210> SEQ ID NO: 9
93 <211> LENGTH: 6
94 <212> TYPE: DNA
95 <213> ORGANISM: Synthetic Oligonucleotide
97 <400> SEQUENCE: 9
98 tgtgtg
101 <210> SEQ ID NO: 10
102 <211> LENGTH: 6
103 <212> TYPE: DNA
104 <213> ORGANISM: Synthetic Oligonucleotide
106 <400> SEQUENCE: 10
107 qtgtgt
110 <210> SEQ ID NO: 11
111 <211> LENGTH: 9
112 <212> TYPE: DNA
113 <213> ORGANISM: Synthetic Oligonucleotide
115 <400> SEQUENCE: 11
116 tgtgttgtgt
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 9
121 <212> TYPE: DNA
122 <213> ORGANISM: Synthetic Oligonucleotide
124 <400> SEQUENCE: 12
125 gtgtgtgtgt
128 <210> SEQ ID NO: 13
129 <211> LENGTH: 12
130 <212> TYPE: DNA
131 <213> ORGANISM: Synthetic Oligonucleotide
133 <400> SEQUENCE: 13
134 tgtgtgtgtgt tg
137 <210> SEQ ID NO: 14
138 <211> LENGTH: 12
139 <212> TYPE: DNA
140 <213> ORGANISM: Synthetic Oligonucleotide
142 <400> SEQUENCE: 14
143 qtqqtgtgtat qt

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/735,363

DATE: 12/27/2000

TIME: 10:16:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\12272000\I735363.raw

146 <210> SEQ ID NO: 15	
147 <211> LENGTH: 14	
148 <212> TYPE: DNA	
149 <213> ORGANISM: Synthetic Oligonucleotide	
151 <400> SEQUENCE: 15	
152 tgtgtgtgtg tgtg	14
155 <210> SEQ ID NO: 16	
156 <211> LENGTH: 15	
157 <212> TYPE: DNA	
158 <213> ORGANISM: Synthetic Oligonucleotide	
160 <400> SEQUENCE: 16	
161 gtgtgtgtgt gtgtg	15
164 <210> SEQ ID NO: 17	
165 <211> LENGTH: 18	
166 <212> TYPE: DNA	
167 <213> ORGANISM: Synthetic Oligonucleotide	
169 <400> SEQUENCE: 17	
170 tgtgtgtgtg tgtgtgtg	18
173 <210> SEQ ID NO: 18	
174 <211> LENGTH: 18	
175 <212> TYPE: DNA	
176 <213> ORGANISM: Synthetic Oligonucleotide	
178 <400> SEQUENCE: 18	
179 gtgtgtgtgt gtgtgtgt	18
182 <210> SEQ ID NO: 19	
183 <211> LENGTH: 21	
184 <212> TYPE: DNA	
185 <213> ORGANISM: Synthetic Oligonucleotide	
187 <400> SEQUENCE: 19	
188 tgtgtgtgtg tgtgtgtgtg t	21
191 <210> SEQ ID NO: 20	
192 <211> LENGTH: 21	
193 <212> TYPE: DNA	
194 <213> ORGANISM: Synthetic Oligonucleotide	
196 <400> SEQUENCE: 20	
197 gtgtgtgtgt gtgtgtgtgt g	21
200 <210> SEQ ID NO: 21	
201 <211> LENGTH: 24	
202 <212> TYPE: DNA	
203 <213> ORGANISM: Synthetic Oligonucleotide	
205 <400> SEQUENCE: 21	
206 tgtgtgtgtg tgtgtgtgtg tgtg	24
209 <210> SEQ ID NO: 22	
210 <211> LENGTH: 24	
211 <212> TYPE: DNA	
212 <213> ORGANISM: Synthetic Oligonucleotide	
214 <400> SEQUENCE: 22	
215 gtgtgtgtgt gtgtgtgtgt gtgt	24
218 <210> SEQ ID NO: 23	

RAW SEQUENCE LISTING

DATE: 12/27/2000

PATENT APPLICATION: US/09/735,363

TIME: 10:16:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\12272000\I735363.raw

219 <211> LENGTH: 6
220 <212> TYPE: DNA
221 <213> ORGANISM: Synthetic Oligonucleotide
223 <400> SEQUENCE: 23
224 ttgtgt
227 <210> SEQ ID NO: 24
228 <211> LENGTH: 6
229 <212> TYPE: DNA
230 <213> ORGANISM: Synthetic Oligonucleotide
232 <400> SEQUENCE: 24
233 ggtggg
236 <210> SEQ ID NO: 25
237 <211> LENGTH: 6
238 <212> TYPE: DNA
239 <213> ORGANISM: Synthetic Oligonucleotide
241 <400> SEQUENCE: 25
242 gggtgg
245 <210> SEQ ID NO: 26
246 <211> LENGTH: 6
247 <212> TYPE: DNA
248 <213> ORGANISM: Synthetic Oligonucleotide
250 <400> SEQUENCE: 26
251 ttgttt
254 <210> SEQ ID NO: 27
255 <211> LENGTH: 6
256 <212> TYPE: DNA
257 <213> ORGANISM: Synthetic Oligonucleotide
259 <400> SEQUENCE: 27
260 aaagtaa
263 <210> SEQ ID NO: 28
264 <211> LENGTH: 6
265 <212> TYPE: DNA
266 <213> ORGANISM: Synthetic Oligonucleotide
268 <400> SEQUENCE: 28
269 ccgtcc
272 <210> SEQ ID NO: 29
273 <211> LENGTH: 6
274 <212> TYPE: DNA
275 <213> ORGANISM: Synthetic Oligonucleotide
277 <400> SEQUENCE: 29
278 tggttg
281 <210> SEQ ID NO: 30
282 <211> LENGTH: 6
283 <212> TYPE: DNA
284 <213> ORGANISM: Synthetic Oligonucleotide
286 <400> SEQUENCE: 30
287 atgtat
290 <210> SEQ ID NO: 31
291 <211> LENGTH: 6

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/735,363

DATE: 12/27/2000
 TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF3\12272000\I735363.raw

```

292 <212> TYPE: DNA
293 <213> ORGANISM: Synthetic Oligonucleotide
295 <400> SEQUENCE: 31
296 aggtga
299 <210> SEQ ID NO: 32
300 <211> LENGTH: 6
301 <212> TYPE: DNA
302 <213> ORGANISM: Synthetic Oligonucleotide
304 <400> SEQUENCE: 32
305 gagtga
308 <210> SEQ ID NO: 33
309 <211> LENGTH: 6
310 <212> TYPE: DNA
311 <213> ORGANISM: Synthetic Oligonucleotide
313 <400> SEQUENCE: 33
314 ggggtct
317 <210> SEQ ID NO: 34
318 <211> LENGTH: 6
319 <212> TYPE: DNA
320 <213> ORGANISM: Synthetic Oligonucleotide
322 <400> SEQUENCE: 34
323 ccgtgg
326 <210> SEQ ID NO: 35
327 <211> LENGTH: 6
328 <212> TYPE: DNA
329 <213> ORGANISM: Synthetic Oligonucleotide
331 <400> SEQUENCE: 35
332 ggggtcc
335 <210> SEQ ID NO: 36
336 <211> LENGTH: 6
337 <212> TYPE: DNA
338 <213> ORGANISM: Synthetic Oligonucleotide
340 <400> SEQUENCE: 36
341 ctgtct
344 <210> SEQ ID NO: 37
345 <211> LENGTH: 6
346 <212> TYPE: DNA
347 <213> ORGANISM: Synthetic Oligonucleotide
349 <400> SEQUENCE: 37
350 tcgttc
353 <210> SEQ ID NO: 38
354 <211> LENGTH: 6
355 <212> TYPE: DNA
356 <213> ORGANISM: Synthetic Oligonucleotide
358 <400> SEQUENCE: 38
359 cgggtgc
362 <210> SEQ ID NO: 39
363 <211> LENGTH: 6
364 <212> TYPE: DNA

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 12/27/2000
PATENT APPLICATION: US/09/735,363 TIME: 10:16:15

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86